

First Announcement

EUROPEAN RADIO INTERFEROMETRY SCHOOL

10 - 15 September, 2007

Bonn, Germany

We are pleased to announce that the Max-Planck-Institut für Radioastronomie will host the 2nd European Radio Interferometry School ("ERIS") in September 2007. The school is sponsored by the EU RadioNet Consortium (within the Sixth Framework Programme of the European Commission) and by the MPIfR. At this stage we invite interested participants to send a message to **eris2007@mpifr-bonn.mpg.de** before **March 16th, 2007**, giving your name, institute and email address, in order to be included in the list for future mailings. A web page will be set up in the near future, with more detailed information and a facility to register; the address will be included in the Second Announcement, to be issued in mid-March.

AIM OF THE SCHOOL: The purpose of the school is to present the basic principles of radio interferometry techniques and data analysis, covering general aspects common to all observations but also specialised topics including high and low-frequency, polarimetry, spectroscopy and high resolution (VLBI) observations. Use of interferometer arrays such as MERLIN, WSRT, VLA and the European VLBI Network (EVN) will be covered, as well as introductions to arrays such as ALMA, LOFAR and the SKA which are under development. The school is addressed both to potential new users of radio interferometry, and to astronomers and students already in the field who wish to broaden their knowledge and skills. Participation will be limited to about 70 - 80 people.

VENUE, ACCOMMODATION & COSTS: The school will be held at the Gustav-Stresemann-Institut in Bonn, a residential Conference Centre which provides on-site accommodation and meals (see: <http://www.gsi-bonn.de/en/tagungszentrum/index.htm>). Participants are expected to stay for the full length of the school (Monday 10th September morning - Saturday 15th September midday). A block allocation has been reserved for school participants arriving on the 9th September and leaving on 15th or 16th September. The cost per night for participants for full board and accommodation will be EUR 78 (single room) or EUR 67 (shared double room). There will be no registration fee. Partial or full financial support may be granted on request for a limited number of special cases.

PROGRAMME OF THE SCHOOL: The school will consist of technical and scientific lectures, computer demonstrations, question-and-answer sessions and possibly break-out sessions for smaller groups (depending on the range of the participants). Special emphasis will be placed on combining lectures and analysis demonstrations in an integrated way. A preliminary list of topics includes:

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| ★ Introduction to radio astronomy | ★ Introduction to interferometry |
| ★ Using the NRAO AIPS package | ★ Interferometer reduction techniques |
| ★ Very Long Baseline Interferometry (VLBI) | ★ Spectral line imaging |
| ★ Polarization imaging | ★ High and low frequency data |
| ★ Astrometry | ★ Use of arrays such as MERLIN, VLA, EVN |
| ★ Planning an experiment/observation | ★ Future instruments and developments |

ORGANIZATION:

Scientific Organising Committee: Chair – Richard Porcas (MPIfR, Bonn)

Local Organising Committee: Chair – Eduardo Ros (MPIfR, Bonn)

Email enquiries: eris2007@mpifr-bonn.mpg.de

Web page: (to be announced)